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Email: training.ecs.fr@arrow.com
Phone: 01 49 97 50 00

OpenShift Enterprise Development

CODE:	**DURÉE:**	**PRIX H.T.:**
REH_DO290	24 Hours (3 Jours)	€2,100.00

Description

OpenShift Enterprise Development (DO290) is part of a series of courses that focus on using OpenShift Enterprise by Red Hat® to automate a portion of the software delivery pipeline. The course immerses the student in a DevOps environment through the use of agile software development methodology, test-driven development, continuous integration, and a standard operating environment through the use of Platform-as-a-Service (PaaS).

Objectifs

Through hands-on labs, the student will implement user stories for an existing Java™ EE application and deploy the application to an OpenShift Enterprise instance. The student will learn how to create, update, and maintain applications using OpenShift Enterprise.

Course summary

- Managing an application with Red Hat JBoss® Developer Studio
- Introduction to continuous integration (CI)
- Integrating CI into OpenShift Enterprise
- Implementing CI for the application
- Clustering the Bookstore application
- Remote debugging the Bookstore application
- Deploying custom containers
- Creating a custom template

Audience

This course is designed for application developers (not necessarily Java EE developers) interested in creating OpenShift Enterprise applications with automated unit/acceptance tests and deploying those applications using continuous integration to an OpenShift Enterprise instance.

Training Development

Course introduction
    Introduce and review the course.
Development environment review
    Describe the developer's tools, agile practices, and deployment environment that will be utilized in this course.
Bookstore application review
    Become familiar with the course application architecture, features, and project layout.
Introduction to OpenShift Enterprise
    Describe the features and architecture of OpenShift Enterprise.
Deploy applications on OpenShift Enterprise
    Define, build, and deploy an application on OpenShift Enterprise.
Implement continuous integration
    Establish continuous integration with Jenkins.
Manage OpenShift Enterprise applications
    Control and maintain applications using the OpenShift Enterprise command line interface.
Create complex deployments

Create deployments that utilize clustering, load balancing, and customized node scheduling.

Troubleshoot applications

Use debugging and logs to troubleshoot problems with application performance or deployment issues.

Customize OpenShift Enterprise

Create custom source image containers, templates, and builders.

Course review

Practice the skills learned in this course.

Prérequis

Red Hat recommends these prerequisites:

- Java EE programming skills are helpful—we try to keep the programming tasks simple, like changing the color of an item on an HTML page—so general HTML skills common to many programming environments will suffice.
- Experience as a successful developer in one of the environments supported by OpenShift Enterprise—either Python, Ruby, or Java EE.

Dates de session

Sur demande. Merci de nous contacter

Informations
Complémentaires

Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.